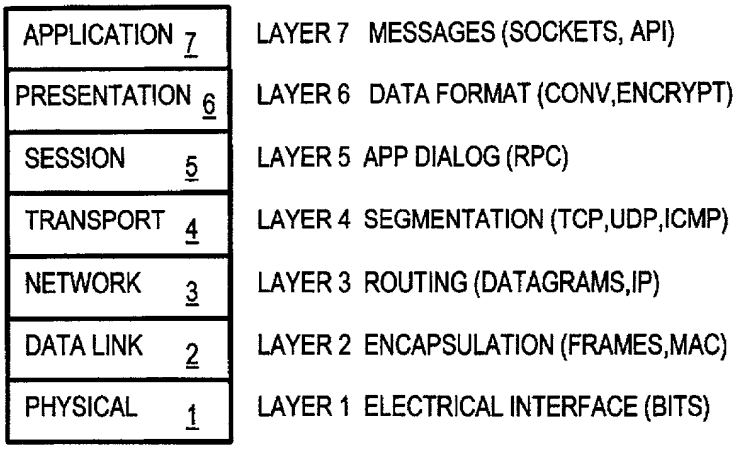
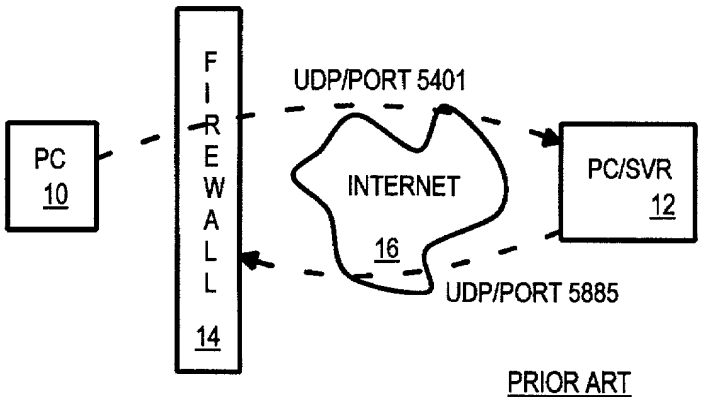


PRIOR ART

FIG. 1

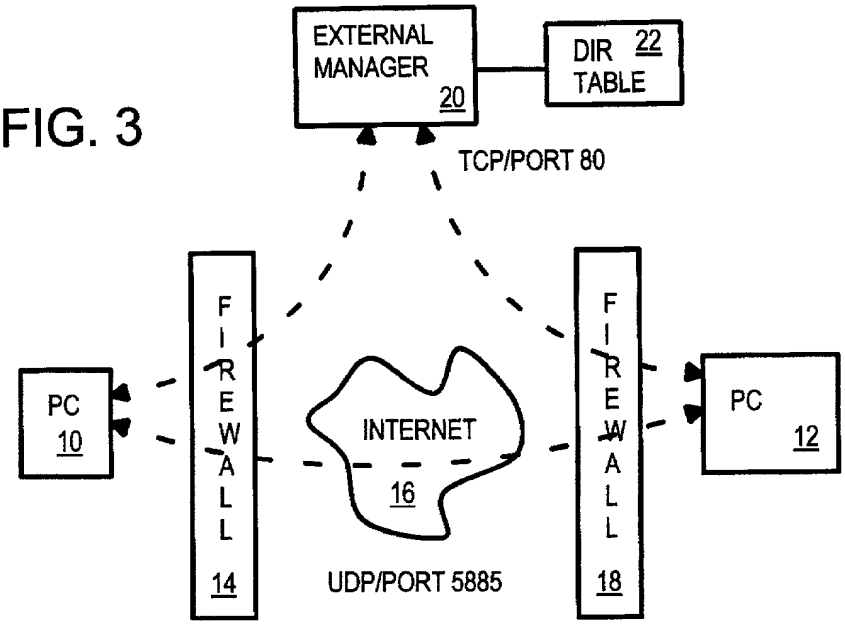


PRIOR ART

FIG. 2

D:\6620\6620-07.APP

FIG. 3


EXTERNAL MANAGER 20
DIR 22 TABLE
TCP/PORT 80
PC 10
FIREWALL 14
INTERNET 16
UDP/PORT 5885
FIREWALL 18
PC 12

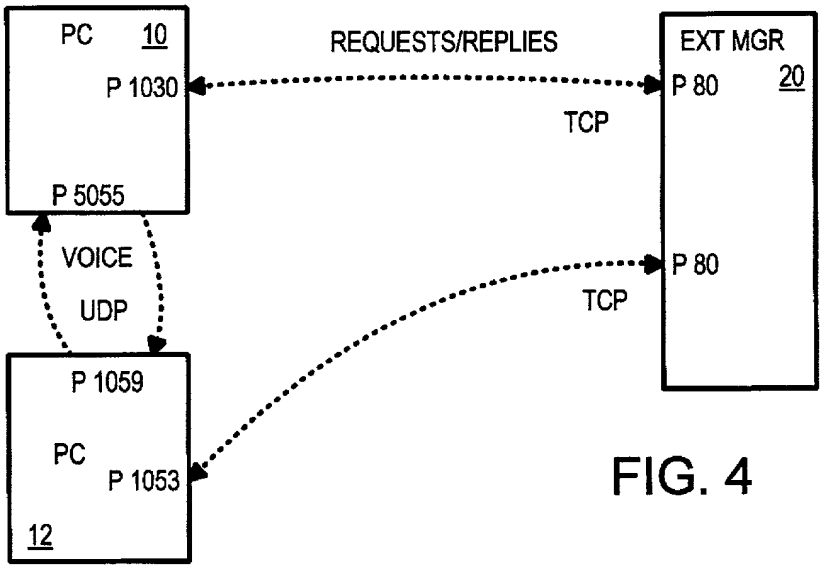

PC 10
P 1030
P 5055
REQUESTS/REPLIES
EXT MGR
P 80 20
TCP
VOICE
UDP
P 80
TCP
P 1059
PC
P 1053
12

FIG. 4

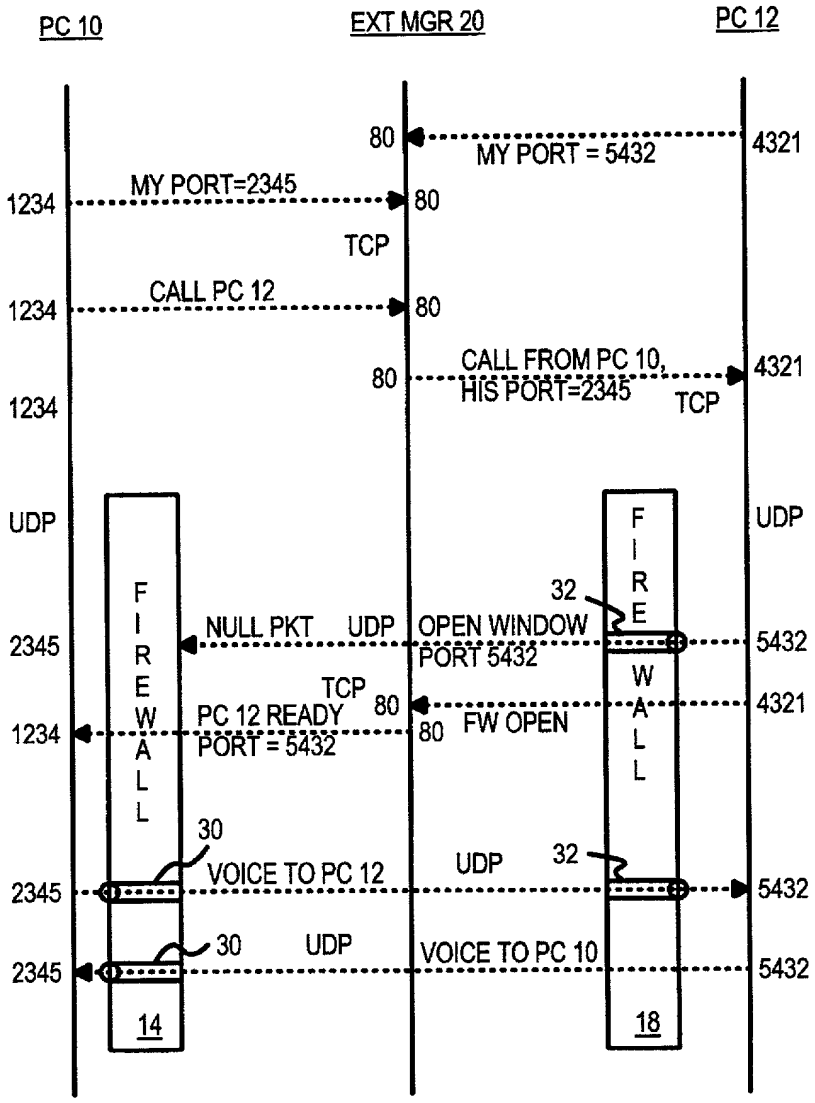

PC 10
EXT MGR 20
PC 12
80
MY PORT = 5432
4321
1234
MY PORT=2345
80
TCP
1234
CALL PC 12
80
80
CALL FROM PC 10,
HIS PORT=2345
4321
1234
TCP
UDP
FIREWALL
UDP
32
2345
NULL PKT
UDP
OPEN WINDOW
PORT 5432
5432
TCP
1234
PC 12 READY
PORT = 5432
80
80
FW OPEN
4321
30
VOICE TO PC 12
UDP
32
2345
5432
30
UDP
VOICE TO PC 10
2345
5432
14
18

FIG. 5

Client's Ref. 07-0564

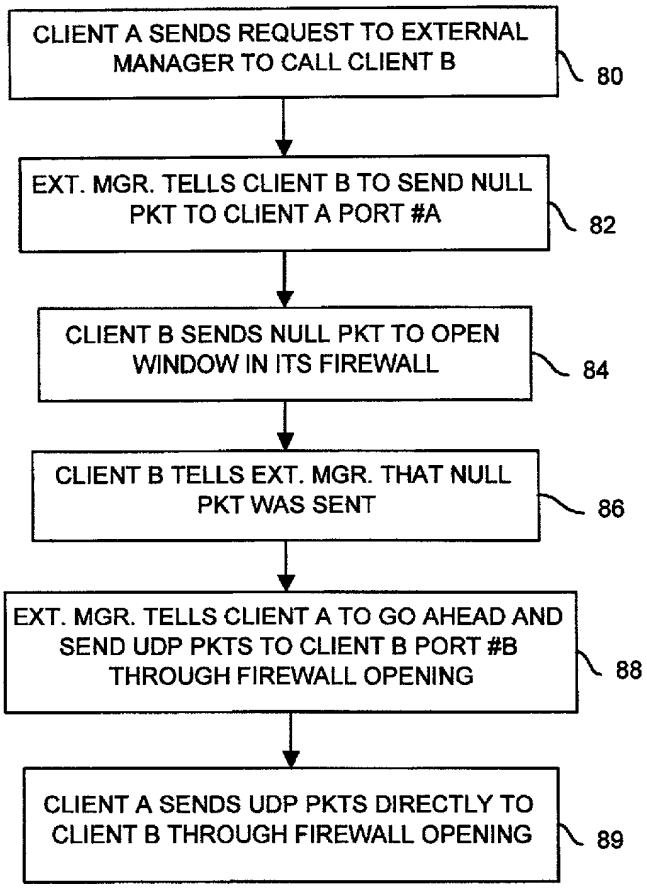


FIG. 6

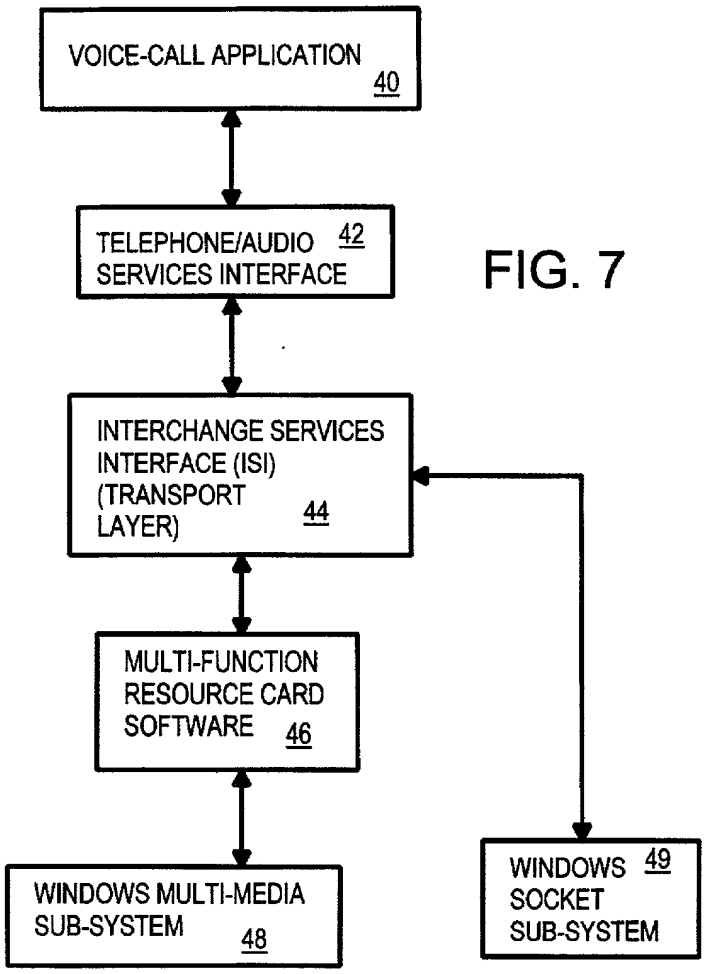

VOICE-CALL APPLICATION 40
TELEPHONE/AUDIO SERVICES INTERFACE 42
INTERCHANGE SERVICES INTERFACE (ISI) (TRANSPORT LAYER) 44
MULTI-FUNCTION RESOURCE CARD SOFTWARE 46
WINDOWS MULTI-MEDIA SUB-SYSTEM 48
WINDOWS SOCKET SUB-SYSTEM 49

FIG. 7

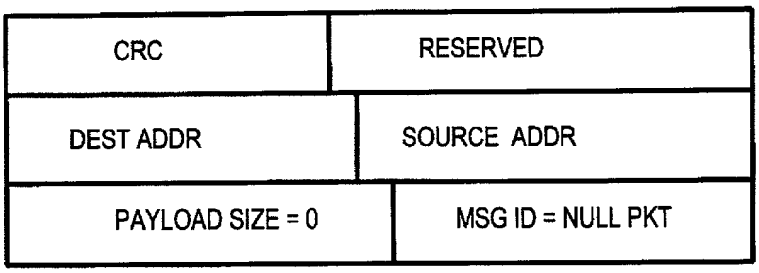

CRC
RESERVED
DEST ADDR
SOURCE ADDR
PAYLOAD SIZE = 0
MSG ID = NULL PKT

FIG. 8

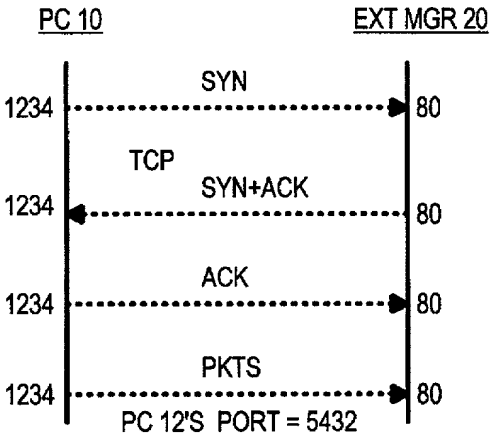

PC 10
EXT MGR 20
SYN
1234
80
TCP
SYN+ACK
1234
80
ACK
1234
80
PKTS
1234
80
PC 12'S PORT = 5432

FIG. 9

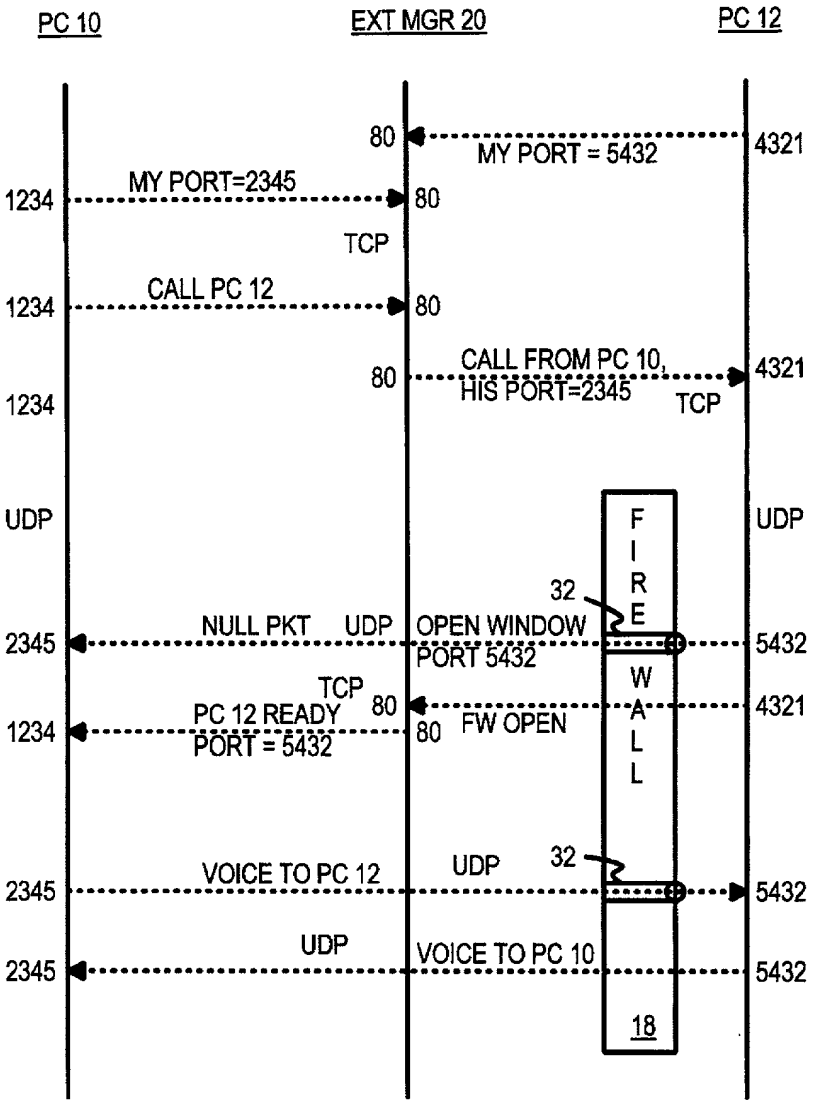

PC 10
EXT MGR 20
PC 12
80
MY PORT = 5432
4321
1234
MY PORT=2345
80
TCP
1234
CALL PC 12
80
80
CALL FROM PC 10,
HIS PORT=2345
4321
1234
TCP
UDP
UDP
F
I
R
E
32
2345
NULL PKT
UDP
OPEN WINDOW
PORT 5432
5432
W
A
L
L
TCP
80
4321
1234
PC 12 READY
PORT = 5432
80
FW OPEN
32
2345
VOICE TO PC 12
UDP
5432
UDP
2345
VOICE TO PC 10
5432
18

FIG. 10